

Note: Drawing illustrates only one of the suspension types available for this luminaire. For other drawings, consult individual Suspension Specification Sheet numbers as noted in Suspension chart(s) below.

Complete Luminaire Consists of Body and Suspension: Order Each Separately.

Body Cat. No.	Finish	Lamps	Options
4K42842ASBU <input type="checkbox"/>	Satin Brass	8-26 Triple Tube Compact Fluorescent	D2 (26W, 120V only), E3 (347V), or EM
4K42842ASNU <input type="checkbox"/>	Satin Nickel	or 8-32 Triple Tube Compact Fluorescent	Add Suffix to Cat. No.
4K42842AWHU <input type="checkbox"/>	White	or 8-42 Triple Tube Compact Fluorescent	

Single Swivel Stem		Multiple to Short Swivel Stem		3 Cables to Short Swivel		Suspension Ext. Kits	
Cat. No.	Nominal OAL	Cat. No.	Nominal OAL	Cat. No.	Nominal OAL	Cat. No.	Nominal OAL
Specify Finish as Suffix: SB, SN or WH		Specify Finish as Suffix: SB, SN or WH		Specify Finish as Suffix: SB, SN or WH		Specify Finish as Suffix: SB, SN or WH	
4SB115 <input type="checkbox"/>	18 1/4"	4SB224 <input type="checkbox"/>	27 1/4"	4SB342 <input type="checkbox"/>	42"	4SXT48 <input type="checkbox"/>	48"
4SB118 <input type="checkbox"/>	19 11/16"	4SB228 <input type="checkbox"/>	31 1/16"	See Specification Sheet 4SB324		4SXT96 <input type="checkbox"/>	96"
4SB121 <input type="checkbox"/>	21" (close-to-ceiling)	4SB235 <input type="checkbox"/>	36 11/16"				
4SB124 <input type="checkbox"/>	27 1/4"	4SB242 <input type="checkbox"/>	42"				
4SB128 <input type="checkbox"/>	31 1/16"	See Specification sheet 4SB224					
4SB135 <input type="checkbox"/>	36 11/16"						
4SB142 <input type="checkbox"/>	42"						
See Specification Sheet(s) 4SB115, 4SB124							

Specifications

- Suspension Size:** For optimum performance testing recommends OAL (overall length) in proportion to the Body diameter or for close-to-ceiling proportion length (see shaded cells). OAL is defined from bottom of diffuser to ceiling plane.
- Stem Wires:** Equipped with 120" of leads with keyed connectors for quick connection to Body wiring.

Options & Accessories

D2 = Dimming Electronic Ballast, 26 Watt, 120V, only.

Replace Body Cat No. Suffix "U" with Suffix "D2".

E3 = 347V (Canada)

Replace Body Suffix "U" with Suffix "E3".

EM = Emergency Battery Pack

Add Suffix "EM" to Body Cat. No.

Multi-Level Switching: Prewired, consult wiring diagram.

Fusing: Consult Factory.

Finishes: **SB** = Satin Brass, **SN** = Satin Nickel, **WH** = White

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte company

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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LIGHTOLIER



Features

- 1. Diffusing Reflector:** White translucent acrylic, 3/16" thick.
- 2. Inner Dirt Shield:** White translucent acrylic, 1/8" thick.
- 3. Chassis:** Steel 20 gauge, semi-gloss white powder-coat finish.
- 4. Suspension:** Swivel (central) stem, 5/8" steel tube. Canopy, steel, 7" Dia. fastened internally, no exposed hardware. Permits installation on ceilings with slope of up to 45°. Complies with California Code.
- 5. Cables:** Reflector Bowl is suspended from a central point on three 1/16" stainless steel cables.
- 6. Lampholder:** Multi-wattage, 4-pin, will accept either GX24q-3 or GX24q-4 lamp base.
- 7. Flange Trim:** Steel 20 gauge, Plated or Painted finish.

Lamping (by others)

Compact Fluorescent: Triple Tube, 26, 32, or 42 Watts.

General Electric	Osram/Sylvania	Philips
26W Triple Tube 4-Pin F26TBX/*A/4P	(Amalgam) Compact CF26DT/E/IN/*	Fluorescent Lamp PL-T26W/*4P
32W Triple Tube 4-Pin F32TBX/*A/4P	(Amalgam) Compact CF32DT/E/IN/*	Fluorescent Lamp PL-T32W/*4P
42W Triple Tube 4-Pin F42QBK/*A/4P	(Amalgam) Compact CF42DT/E/IN/*	Fluorescent Lamp PL-T42W/*4P

*Manufacturers' color temperature designation.

Electrical

Ballast: Electronic, 2-Lamp HPF, Class P, Programmed Start. Universal Voltage 120/277V, Multi-Wattage 26/32/42W.

8 Lamp	26 Watt		32Watt		42Watt	
Voltage	120V	277V	120V	277V	120V	277V
Total Input Watts	224	224	276	276	364	364
Max. Line Current (amps)	1.84	0.8	2.32	1.04	3.04	1.28
Power Factor	>.98	>.98	>.98	>.98	>.98	>.98
Ballast Factor	1.02	1.02	1.00	1.00	0.98	0.98

THD<10% Minimum Starting Temperature: 0°F/-18°C

Mounting

Mounts directly to 4" outlet box, using crossbar hanger, supplied.

Labels

cULus Suitable for Damp Locations.

Application Data

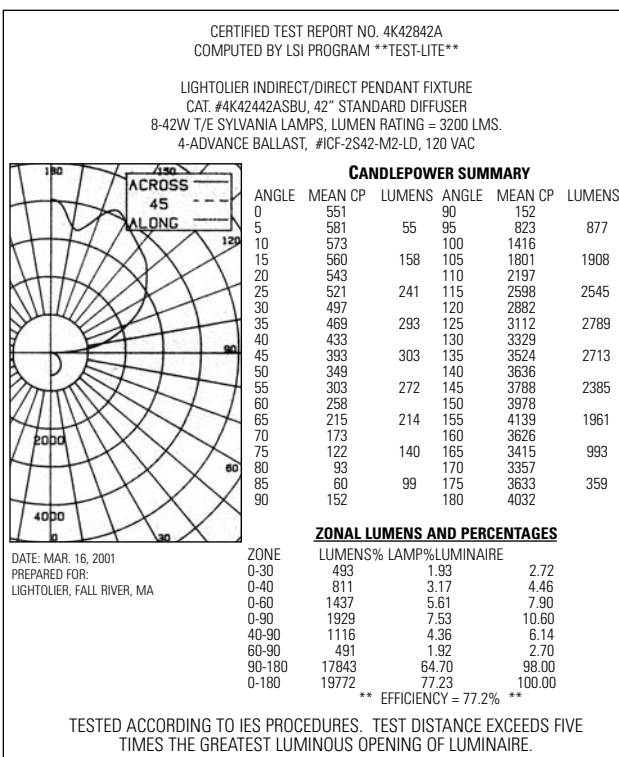
42 Inch Diameter
45' x 45' x 12' Space

Luminaire	Spacing: 15' x 15' Susp. Dist. 42"		
8 Lamps	26W TTT	32W TTT	42W TTT
Illum. (FC) Maint.	25	34	45
Lum. Ratio	11/1	11/1	12/1
Watts/Sq. Ft.	0.98	1.21	1.65

Reflectancies: 80% Ceiling, 50% Walls, 20% Floor.

Light Loss Factor = .75(.88 BF x .85)

FC (footcandles) at 30" work plane.



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD
%EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
1	.58	.56	.53	.51	.49	.46	.38	.36	.35	.25	.25	.24	.14	.14	.13	.08
2	.51	.47	.41	.44	.41	.38	.33	.31	.28	.22	.21	.20	.12	.12	.11	.07
3	.49	.40	.36	.39	.35	.32	.29	.27	.24	.20	.18	.17	.11	.10	.10	.06
4	.39	.34	.31	.35	.30	.27	.26	.23	.21	.16	.16	.14	.10	.09	.08	.05
5	.34	.30	.26	.31	.26	.23	.23	.20	.18	.16	.14	.12	.09	.08	.07	.04
6	.31	.26	.22	.27	.23	.20	.20	.17	.15	.14	.12	.11	.08	.07	.06	.04
7	.28	.23	.19	.24	.20	.17	.18	.15	.13	.13	.11	.09	.07	.06	.05	.03
8	.25	.20	.17	.22	.18	.15	.17	.14	.11	.11	.09	.08	.06	.05	.05	.03
9	.23	.18	.14	.20	.16	.13	.15	.12	.10	.10	.08	.07	.06	.05	.04	.02
10	.20	.16	.13	.18	.14	.11	.14	.11	.09	.09	.08	.06	.05	.04	.04	.02

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

Job Information

Type:

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